



## S U P E R C O M F O R T



- Cased fan convectors in three styles
  - Energy efficient EC motors
    - Available from stock
  - Normal overnight delivery
    - Standard fitted controls
  - Optional site-fitted accessories

## RANGE AND OPTIONS

Supercomfort fan convectors are the ideal solution for heating schools, colleges, care homes, libraries, churches and all institutional buildings. Supercomfort is based on the market leading Series AM and embodies the high standards of design and engineering that is synonymous of all Dunham-Bush products.



Model AM13

The three model types offered:

- Model AM13, floor standing unit with front discharge grille
- Model AM25, floor standing unit with curved discharge grille
- Model AM38, high wall mounted unit with curved discharge grille

Standard features across the range:

- Casings finished in white RAL 9010 30% gloss
- Grilles and back plates finished in black BS 00 E 53 matt
- Pencil proof grilles
- Lockable access panels
- Adjustable LTC thermostat
- Copper tube, aluminium finned 2-row heating coils
- **DN20 (3/4" BSP) female parallel coil connections**
- Energy efficient EC (brushless DC) motors
- Forward curved centrifugal fans
- Remote thermostats (standard or tamperproof) available
- Dual speed fans
- All models supplied with LH pipe connections

Supercomfort fan convectors are available from stock, for normal overnight delivery to most mainland UK addresses



Model AM25

Floor standing AM13 & AM25 standard specifications	AM13	AM25
Size Fig 03 - 695mm wide casing	✓	✓
Size Fig 06 - 895mm wide casing	✓	✓
Size Fig 10 - 1195mm wide casing	✓	✓
Size Fig 15 - 1495mm wide casing	✓	✓
230mm deep casings (see back page for heights)	✓	✓
Manual air vent	✓	✓
Fitted capillary on/off thermostat	✓	✓
Fitted capillary speed change thermostat	✓	✓
100mm factory fitted black plinth	✓	✓



Model AM38

High wall mounting AM38 standard specifications	AM38
Size Fig 06 - 895mm wide casing	✓
Size Fig 10 - 1195mm wide casing	✓
Size Fig 15 - 1495mm wide casing	✓
230mm deep casings (see back page for heights)	✓
Plugged air vent	✓

Optional accessories	AM13	AM25	AM38
150mm black plinth (supplied loose)	✓	✓	
200mm black plinth (supplied loose)	✓	✓	
Isolating ball valves (supplied loose)	✓	✓	✓
Remote on/off switch	✓	✓	✓
Remote manual/off/automatic (M/O/A) switch	✓	✓	✓
Remote high/off/low speed change switch			✓
Remote M/O/A and H/L speed change switches			✓
Remote on/off thermostat	✓	✓	✓
Remote speed change thermostat			✓
Remote on/off tamperproof thermostat	✓	✓	✓
Remote speed change tamperproof thermostat			✓

# PERFORMANCE

## Heat outputs - all models

Heat outputs (kW), air volume flow rates (l/s), leaving air temperatures (°C) and hydraulic resistances (kPa).

Figure number	Coil type	Low speed				Medium speed			
		kW	l/s	°C	kPa	kW	l/s	°C	kPa
03	WA2	1.7	50	46	0.28	2.6	75	47	0.62
06	WA2	4.3	105	52	1.86	5.9	150	51	3.37
10	WA2	8.1	205	51	1.14	9.8	270	48	1.64
15	WA2	11.1	280	51	2.35	12.5	330	50	2.93

Conditions: LTHW 80/70°C flow and return, entering air temperature 18°C

## Correction factors - all models

Approximate factors for heat output and hydraulic resistance, at various mean water temperatures, entering air temperatures and water temperature drops across the coil.

Mean water (°C)	Entering air temperature (°C)	Water temperature drop across coil							
		5k		10k		15k		20k	
		Output	Hyd. Res.	Output	Hyd. Res.	Output	Hyd. Res.	Output	Hyd. Res.
60	0	1.08	4.68	1.04	1.09	-	-	-	-
	18	0.75	2.23	0.70	0.49	-	-	-	-
	20	0.71	2.05	0.66	0.44	-	-	-	-
65	0	1.18	5.53	1.14	1.30	1.10	0.54	-	-
	18	0.84	2.83	0.80	0.65	0.74	0.24	-	-
	20	0.80	2.59	0.77	0.59	0.70	0.22	-	-
70	0	1.27	6.44	1.24	1.54	1.20	0.64	1.16	0.35
	18	0.94	3.51	0.90	0.81	0.85	0.32	0.80	0.17
	20	0.90	3.23	0.86	0.75	0.81	0.29	0.76	0.16
75	0	1.37	7.47	1.34	1.78	1.31	0.76	1.26	0.40
	18	1.03	4.25	1.00	1.00	0.96	0.41	0.90	0.20
	20	0.99	3.95	0.96	0.93	0.93	0.38	0.86	0.018

## Electrical data for EC motors

Fig No.	Low speed				Medium speed			
	Control Signal (VDC)	Airflow (l/s)	Running Current (A)	SFP (W/l/s)	Control Signal (VDC)	Airflow (l/s)	Running Current (A)	SFP (W/l/s)
3	3.4	50	0.08	0.16	4.6	75	0.14	0.19
6	5.2	105	0.18	0.19	7.5	150	0.40	0.30
10	5.4	205	0.35	0.19	7.0	270	0.64	0.27
15	5.8	280	0.54	0.22	6.7	330	0.60	0.21

## Heater masses

Approximate shipping masses (kg).

Model	Figure number 03	Figure number 06	Figure number 10	Figure number 15
AM13	36	45	55	65
AM25	35	44	54	64
AM38	-	46	56	66

## Coil capacities - all models

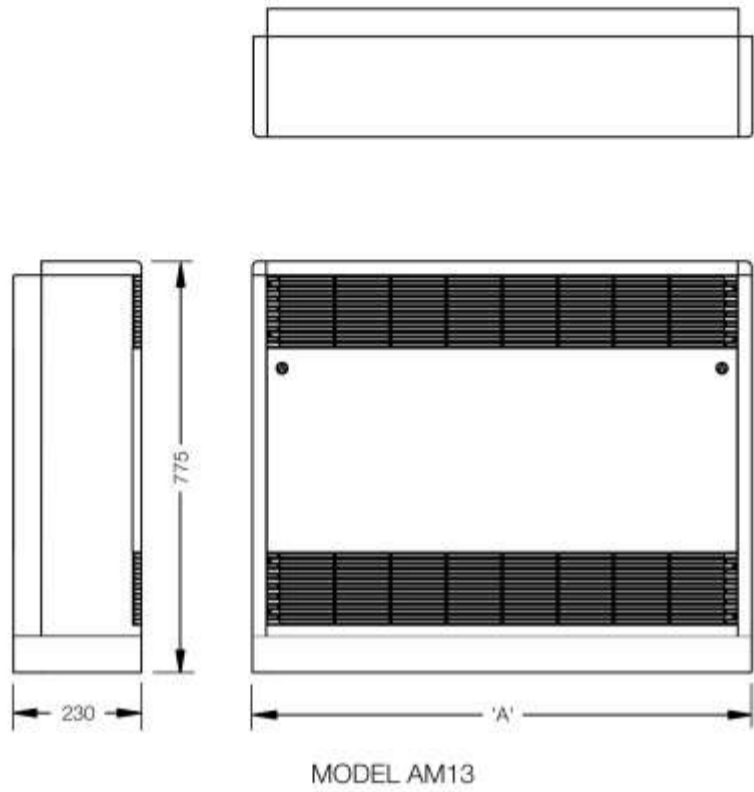
Approximate coil capacities (litre).

Figure number	Litre
03	0.63
06	0.77
10	1.03
15	1.25

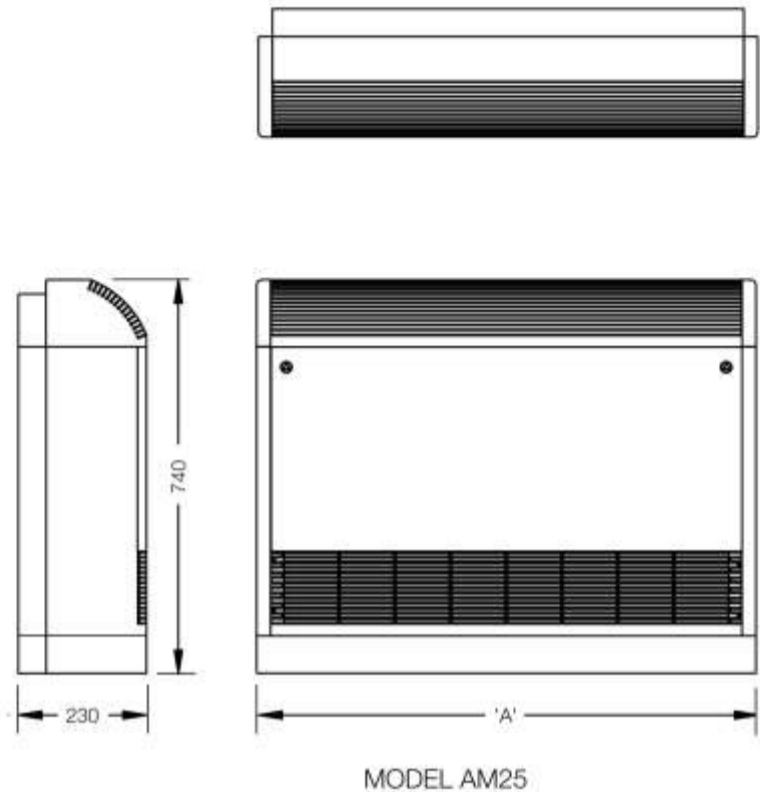
## Quality

Dunham-Bush operates a quality control system and is a company of assessed capability to BS EN ISO 9001:2015

Whatever the product, wherever its eventual destination, Dunham-Bush design and manufacturing policy has always been firmly based on technical quality.



MODEL AM13

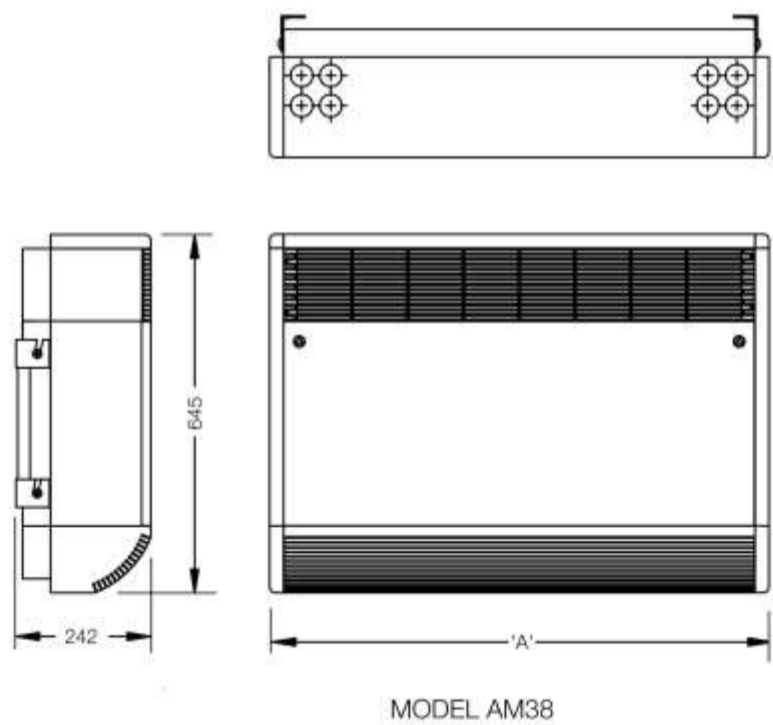


MODEL AM25

Model	Length 'A' mm			
	Fig 03	Fig 06	Fig 10	Fig 15
AM13	695	895	1195	1495
AM25	695	895	1195	1495
AM38	-	895	1195	1495

Models AM13 and AM25 include a factory-fitted 100mm plinth which can be removed. Plinth includes knockouts for pipe-entry and space to accommodate pipework from RH side.

Model AM38 includes wall-hanging brackets.



MODEL AM38



BS EN ISO 9001: 2015

Manufacturer reserves the right to change any product specification without notice

Dunham-Bush Ltd

Downley Road

Havant

Hampshire

PO9 2JD

Tel. 023 9247 7700

Fax. 023 9245 3601

Email: [info@dunham-bush.co.uk](mailto:info@dunham-bush.co.uk)

[www.dunham-bush.co.uk](http://www.dunham-bush.co.uk)

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